

Title (en)
Electroluminescent lamps and panels.

Title (de)
Elektrolumineszente Lampen und Paneele.

Title (fr)
Lampes et panneaux électroluminescents.

Publication
EP 0286748 A1 19881019 (EN)

Application
EP 87303324 A 19870415

Priority
• US 67764584 A 19841203
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• US 84063086 A 19860317

Abstract (en)
A flexible electroluminescent lamp or panel has a base (10) of flexible polyester material. A transparent electrode (12) on the base is formed in a pattern (18) of segments (12a) connected by conducting portions (19a). A phosphor resin layer (25) is applied to the transparent electrode only in the lighted areas (12a). A dielectric layer (28) is applied over the phosphor layer, either over the entire panel or over the areas to be protected. A second electrode layer (30) in the form of a conductive resin is applied in complementary fashion over the lighted areas (12a) and is formed with conducting or joining segments (31). A final conformal coating (45) is applied over the panel. An area (29) of the transparent electrode (12), along one of the connecting segments (19a) provides a region for the direct attachment of a power lead (35) inwardly of the marginal edges of the panel. Each of the resin layers of the lamp or panel is formed of the same compatible resin material to form a homogeneous resin layer.

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Cited by
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